



City of Auburn
Planning & Building Community
25 West Main St - Auburn, WA 98001

2006 Washington State Energy Code (WSEC)
2006 Ventilation and Indoor Air Quality Code (VIAQ)

<http://www.energy.wsu.edu/code/>

Effective July 1, 2007

Code Compliance Application Form

The following information will be required for the WSEC and VIAQ plan review:

1. The window and door schedule should include all windows, skylights, sliding glass doors, french doors. Doors with 50% or more glazed area must be considered as windows. Use rough opening dimensions of windows and doors to calculate size. If you do not know u-factors, the plan reviewer will assume all window & door glazing will have a u-factor of .35 or less. When using the area weighted average method to comply with the prescriptive path include calculations with submittal documents.
2. LIGHTING: WSEC Section 505 & Chapter 2. Luminaires providing outdoor lighting and permanently mounted to a residential building or to other buildings on the same lot shall be high efficiency luminaires. High efficiency luminaires as defined in Chapter 2 of the WSEC includes a lighting fixture that does not contain a medium screw base socket and whose lamps have a minimum efficiency of: a) 60 lumens per watt for lamps over 40 watts; b) 50 lumens per watt for lamps over 15 watts to 40 watts; c) 40 lumens per watt for lamps 15 watts or less. *Exception: 1) Permanently installed outdoor luminaires that are not high efficiency shall be allowed provided they are controlled by a motion sensor(s) with integral photocontrol photosensor. 2) Permanently installed luminaires in or around swimming pools or water features.* All linear fluorescent fixtures must be fitted with T-8 (1-inch diameter) or smaller lamps (but not T-10 or T-12 lamps). This applies to all typical fluorescent fixtures used for interior or exterior lighting.
3. Vaulted ceilings shall be insulated to not less than the nominal R-value specified on the approved building plans. Unless approved for other than prescriptive approach the typical R-Value for vaulted ceiling insulation shall be R-30, limited to 500-sq. ft. of any ceiling area for any one dwelling unit. After 500-sq. ft. insulation in a single rafter or joist vaulted ceiling shall be insulated to at least R-38. See Chapter 6 Table 6-1. WSEC Section 502.1.6.3. Faced batts shall be face-stapled (*not inset-stapled*).
4. On your building plans note the location and fuel type of heating system, water heater, location of exhaust fans (bathroom, laundry, kitchen, etc.) and R-factor of proposed insulation for walls, floors, ceilings, and slabs.

Prescriptive Requirements^{0,1} for Group R Occupancy
Climate Zone 1, Table 6-1

Option	Glazing Area % of Floor ¹⁰	Glazing U-factor	Door U- Factor ⁹	Ceiling ²	Vaulted Ceiling ³ See note below	Wall Above Grade ¹²	Wall interior ⁴ below grade	Wall exterior ⁴ Below Grade	Floor ⁵	Slab ⁶ on Grade
		Vertical	Overhead ¹¹							
I	10%	.32	.58	.20	R-38	R-30	R-15	R-15	R-30	R-10
II *	15%*	.35	.58	.20	R-38	R-30	R-21	R-21	R-30	R-10
IV	Unlimited Single Family Res (R- 3) Only	.35	.58	.20	R-38	R-30	R-21	R-21	R-30	R-10

*Reference Case/ Call (253)931-3020 for footnote information. Log & solid timber wall with a min. avg. thickness of 3.5" are exempt from the above grade wall insulation requirements. **Vaulted ceilings shall be limited to 500 sq. ft. of ceiling area for any one dwelling unit.**

WSEC/ VIAQ Compliance Application

Owner:	Telephone:	Parcel#:
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Type of project () New Residence () Addition () Remodel

Total Sq. Ft. of heated area::	1 st Floor :	2 nd floor:	Heated Basement:
Heating System Type: <input type="checkbox"/> Electric wall heater <input type="checkbox"/> Electric Central Furnace <input type="checkbox"/> LPG Furnace <input type="checkbox"/> Heat Pump with electric furnace <input type="checkbox"/> Heat pump with gas furnace <input type="checkbox"/> Boiler, specify fuel type: _____ <input type="checkbox"/> Other: Specify _____			
Glazing Percentage: _____ %	Compliance Method <i>Check one::</i>	<input type="checkbox"/> Prescriptive Option (<i>see reverse side</i>) circle one: I II IV	
		<input type="checkbox"/> Component Performance , <i>Chapter 5 – Calculation worksheets required</i>	
		<input type="checkbox"/> Systems analysis, Chapter 4	

Ventilation System <i>Check one</i>	<input type="checkbox"/> Whole House Ventilation system using exhaust fans & window or wall fresh air vents (<i>VIAQ 303.4.1</i>)	<input type="checkbox"/> Whole House Ventilation using a Heat Recovery Ventilation System (<i>VIAQ 303.4.4</i>)
	<input type="checkbox"/> Whole House Ventilation Integrated with a Forced Air System (<i>VIAQ 303.4.2</i>)	<input type="checkbox"/> Whole House Ventilation using an inline supply fan. (<i>VIAQ 303.4.3</i>)

Window & Door Schedule (*If needed, attach an additional sheet*)

Manufacturer	Room/location	U-Factor	Size	Quantity	Total Square Feet
Windows:					
Windows: Total Sq. ft.					
Doors:					
Doors: Total Sq. Ft					
Total window and door area					

Total window & door area _____ / (divided by) total sq. ft of heated area _____ = _____ % of glazing